



P_{lac} 5'
CGCCCAATACGCAAACCGCCTCTCCCCGCGCGTTGGCCGATTCATTAATGCAGCTGGCACGACAGGTTTCC
CGACTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACCCCAGGCTT
TACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGAGCGGATAACAAT 3'
(SEQ ID NO 1)

P_{phoP} 5'
GTGACTCTGGTCGACGAACTTAAATAATGCCTGCCTCACCCCTCTTTTCTTCAGAAAGAGGGTGACTATTTG
TCTGTTTATTAAGTGTATCCCAAAGCACCATAATCAACGCTAGACTGTTCTTATTGTTAACACA 3'
(SEQ ID NO 2)

P_{pgc} 5'
GTTAACCACCTCTTAATAATAATGGGTTTTATAGCGAAATAGACTTTTTTATCGCGTGTTCAATATTTGCGT
TAGTTATTATTTTTTTGGGAATGTAAATCTCTCTAAACACAGGTGATATTTATGTTGGAATTGTGGTGTTG
ATTCTATTCTTATAATATAACAAGAAATGTTGTAAGTATAGATATATTAAGAAATTAATCGGAGCGGGA
ATAAAGCGTGCTAAGCATCATCGTGAATATGATTACAGCGCCTGCGATGGCATATAACCGTATTGCGGATG
GAGCGTCACGTGAGGACTGTGAAGCACAAATGCGATATGTTCTGATTATATGGCGAGTTTGCTTAATGACAT
GTTTTTAGCCGAACGGTGTCAAGTTTCTTAATGTGGTTGTGAGATTTTCTCTTTAAATATCAAAATGTTGC
ATGGGTGATTTGTTGTTCTATAGTGGCTAAACACTTTATGGTTTCTGTTAAATATATATGCGTGAGAAAA
TTAGCATTCAAATCTATAAAGTTAGATGACATTGTAGAACCGTTACCTAAATGAGCGATAGAGTGCTTC
GGTAGTAAAAATATCTTTCAGGAAGTAAACACATCAGGAGCGATAGCGGTGAATTATTCGTGGTTTTGTCTG
ATTCGGCATAGTGGCGATAACTGAATGCCGGATCGGTACTGCAGGTGTTTAAACACACCGTAAATAATAAG
TAGTA 3'
(SEQ ID NO 3)

P_{ompC} 5'
TAAACAGACATTCAGAAAGTGAATGACGGTAATAAATAAAGTTAATGATGATAGCGGTCACTATTTTAGTTG
CGAATGAAGATTCTGTTTTATCATTCACTGCTATGAATTTTCATCAATTTAACCCGTTGATTTTAAAGTTT
CGTGAAATATATTTTGTCTATTTGTGCTTATTTTTACTTGATTTTTGCTTTAAAAAAGTTCCGTAAATTC
ATATTTTGAACATCTATATAGATAACTGTAACATCTTAAAGTTTATGATATCATATTCGTGTTGGATTAT
TCTGTATTTTTGCGGAGAAATGGACTTGCCGACTGGTTAATGAGGGTTAACCAGTAAGCAGTGGCATAAAAA
AGCAATAAAGGCATAT 3'
(SEQ ID NO 4)

The locations of oligonucleotide primers used in the PCR are shown underlined. Promoter regions are shown in bold and repeated sequences upstream of these promoters are shown double underlined